4D
Access DB# 71623

SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: VU LE Examiner # : 81512 Date: 7/23
Art Unit: 2613 Phone Number 30 8-6613 Serial Number: 09 849 501
Mail Box and Bldg/Room Location: 6D40 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.
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Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: _____

Inventors (please provide full names): _____

_____

Earliest Priority Filing Date: _____

***For Sequence Searches Only* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.**

US5914982

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STAFF USE ONLY	**Type of Search**	**Vendors and cost where applicable**
Searcher: KEJ	NA Sequence (#)	STN
Searcher Phone #: 305-4671	AA Sequence (#)	Dialog /
Searcher Location:	Structure (#)	Questel/Orbit /
Date Searcher Picked Up: 7/23	Bibliographic	Dr.Link
Date Completed: 7/23	Litigation X	Lexis/Nexis /
Searcher Prep & Review Time:	Fulltext	Sequence Systems
Clerical Prep Time:	Patent Family	WWW/Internet
Online Time: 10	Other	Other (specify)

PTO-1590 (8-01)

Memorandum

To: Mr. Le

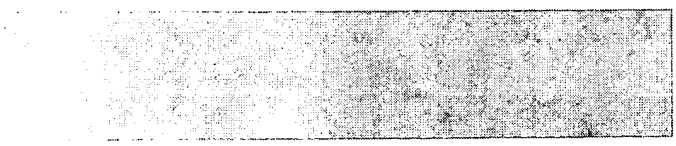
From: Kimberly Johnson

Date: 7/23/02

Re: Litigation search request 5,914,982

Attached please find the results of your litigation search. Please feel free to contact me if you have additional questions or concerns. Thank you and have a great day.

Kimberly Johnson
TIS
EIC 2600
305-4071



Query/Command : prt max legalall

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1 / 1 PLUSPAT - ©QUESTEL-ORBIT - image

PN - **US5914982** A 19990622 **[US5914982]**

TI - (A) Method and apparatus for training linear equalizers in a PCM modem

PA - (A) ROCKWELL SEMICONDUCTOR SYS INC (US)

IN - (A) BJARNASON ELIAS (IS); JONSSON OLAFUR (IS); OLAFSSON SVERRIR (IS)

AP - US87431697 19970613 [1997US-0874316]

PR - US87431697 19970613 [1997US-0874316]

IC - (A) H04B-001/38 H04L-005/16

EC - H04L-025/03B1A7
H04L-025/49M5

ICO - T04L-025/03B11A1
T04L-025/03B13F1T3F
T04L-025/03B15A3A

PCL - ORIGINAL (O) : 375222000; CROSS-REFERENCE (X) : 375231000 375233000 375295000

DT - Basic

CT - US4489416; US4995057; US5463661; US5661718; US5666378; US5677951; US5694423; US5706344; US5721772; US5732112; US5737389; US5737410; US5740242; US5761088; US5764694; US5809075

STG - (A) United States patent

AB - A pulse code modulation (PCM) modem system employs a relatively white training signal to optimize the adaptive filter coefficients in the receiver equalizers. During the training mode, any line coding or equivalent spectral shaping is disabled to provide a training signal sequence having a substantially even spectral content. The presence of DC within the training signal reduces the likelihood that the error function of the equalizers will settle at a local minimum. Following the training interval, the encoder enables the line coder to condition the digital input sequences, introduce DC nulls, and reduce the detrimental effects of baseline wander.

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1 / 1 LGST - ©LEGSTAT

PN - US 5914982 [US5914982]

AP - US 874316/97 19970613 [1997US-0874316]

DT - US-P

ACT - 19970613 US/AE-A
APPLICATION DATA (PATENT)
US 874316/97 19970613 [1997US-0874316]

19971201 US/AS02
ASSIGNMENT OF ASSIGNOR'S INTEREST
ROCKWELL INTERNATIONAL CORPORATION 600 ANTON BOULEVARD, SUITE 700 COSTA MESA, CA * BJARNASON, ELIAS : 19971117; JONSSON, OLAFUR : 19971117; OLAFSSON, SVERRIR : 19971117

19990622 US/A
PATENT

20020409 US/RF
REISSUE APPLICATION FILED
20010504

UP - 2002-17

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1 / 1 CRXX - ©CLAIMS/RRX

PN - 5,914,982 A 19990622 [US5914982]

PA - Rockwell Semiconductor Systems Inc

ACT - 19991129 REASSIGNED
ASSIGNMENT OF ASSIGNOR'S INTEREST

Assignor: BJARNASON, ELIAS DATE SIGNED: 11/17/1997
JONSSON, OLAFUR DATE SIGNED: 11/17/1997

Assignee: ROCKWELL SEMICONDUCTOR SYSTEMS, INC. 4311 JAMBOREE ROAD NEWPORT BEACH, CALIFORNIA 92660-309

Reel 010456/Frame 0934

Contact: SNELL & WILMER MARK M. TAKAHASHI, ESQ ONE ARIZONA CENTER 400 EAST VAN BUREN STREET PHOENIX, AZ 85004-2202

20010504 REISSUE REQUESTED
ISSUE DATE OF O.G.: 20020409
REISSUE REQUEST NUMBER: 09/849501
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2631

Reissue Patent Number:

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1 / 1 PAST - ©Thomson Derwent

AN - 200215-001678

PN - 5914982 A [US5914982]

OG - 2002-04-09

ACT - REISSUE APPLICATION FILED

LEVEL 1 - 1 OF 1 PATENT

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

5914982

<=1> GET 1st DRAWING SHEET OF 3

June 22, 1999

Method and apparatus for training linear equalizers in a PCM modem

REISSUE: May 4, 2001 - Reissue Application filed May 4, 2001 (O.G. Apr. 9, 2002)
Ex. Gp.: 2631; Re. S.N. 09/849,501April 9, 2002

APPL-NO: 08874316

FILED-DATE: June 13, 1997

GRANTED-DATE: June 22, 1999

CORE TERMS: equalizer, training, modem, sequence, spectral, feedback, encoder, feed-forward, adaptive, linear ...

ENGLISH-ABST:

A pulse code modulation (PCM) modem system employs a relatively white training signal to optimize the adaptive filter coefficients in the receiver equalizers. During the training mode, any line coding or equivalent spectral shaping is disabled to provide a training signal sequence having a substantially even spectral content. The presence of DC within the training signal reduces the likelihood that the error function of the equalizers will settle at a local minimum. Following the training interval, the encoder enables the line coder to condition the digital input sequences, introduce DC nulls, and reduce the detrimental effects of baseline wander.

5,914,982 OR 5914982

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For further explanation, press the H key (for HELP) and then the ENTER key.

5,914,982 OR 5914982

LEXIS-NEXIS
Library: PATENT
File: JNLS

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5,914,982 OR 5914982

LEXIS-NEXIS
Library: NEWS
File: CURNWS

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For further explanation, press the H key (for HELP) and then the ENTER key.

File 345:Inpadoc/Fam.& Legal Stat 1968-2002/UD=200228
(c) 2002 EPO

Set	Items	Description
?s pn=us 5914982		
S1	1	PN=US 5914982

?t 1/39/1

1/39/1
DIALOG(R)File 345:Inpadoc/Fam.& Legal Stat
(c) 2002 EPO. All rts. reserv.

15196959
Basic Patent (No,Kind,Date): US 5914982 A 19990622 <No. of Patents: 002>
Patent Family:

Patent No	Kind	Date	Applic No	Kind	Date	
US 5914982	A	19990622	US 874316	A	19970613	(BASIC)
US 5949819	A	19990907	US 213961	A	19981217	

Priority Data (No,Kind,Date):
US 874316 A 19970613
US 213961 A 19981217
US 874316 A1 19970613

PATENT FAMILY:
UNITED STATES OF AMERICA (US)
Patent (No,Kind,Date): US 5914982 A 19990622
METHOD AND APPARATUS FOR TRAINING LINEAR EQUALIZERS IN A PCM MODEM (English)
Patent Assignee: ROCKWELL SEMICONDUCTOR SYS INC (US)
Author (Inventor): BJARNASON ELIAS (IS); JONSSON OLAFUR (IS); OLAFSSON SVERRIR (IS)
Priority (No,Kind,Date): US 874316 A 19970613
Applic (No,Kind,Date): US 874316 A 19970613
National Class: * 375222000; 375231000; 375233000; 375295000
IPC: * H04B-001/38; H04L-005/16
Derwent WPI Acc No: * G 99-428601; G 99-579344; G 99-428601
Language of Document: English

Patent (No,Kind,Date): US 5949819 A 19990907
METHOD AND APPARATUS FOR TRAINING LINEAR EQUALIZERS IN A PCM MODEM (English)
Patent Assignee: CONEXANT SYSTEMS INC (US)
Author (Inventor): BJARNASON ELIAS (IS); JONSSON OLAFUR (IS); OLAFSSON SVERRIR (IS)
Priority (No,Kind,Date): US 213961 A 19981217; US 874316 A1 19970613
Applic (No,Kind,Date): US 213961 A 19981217
National Class: * 375222000; 375231000
IPC: * H04B-001/38
Derwent WPI Acc No: * G 99-428601; G 99-579344; G 99-579344
Language of Document: English

UNITED STATES OF AMERICA (US)
Legal Status (No,Type,Date,Code,Text):

US 5914982	P	19970613	US AE	APPLICATION DATA (PATENT) (APPL. DATA (PATENT)) US 874316 A 19970613
US 5914982	P	19971201	US AS02	ASSIGNMENT OF ASSIGNOR'S INTEREST ROCKWELL INTERNATIONAL CORPORATION 600 ANTON BOULEVARD, SUITE 700 COSTA MESA, CA ; BJARNASON, ELIAS : 19971117; JONSSON, OLAFUR : 19971117; OLAFSSON, SVERRIR : 19971117
US 5914982	P	19990622	US A	PATENT
US 5914982	P	20020409	US RF	REISSUE APPLICATION FILED (REISSUE APPL. FILED) 20010504
US 5949819	P	19970613	US AA	PRIORITY

			US 874316 A1 19970613
US 5949819	P	19981217	US AE APPLICATION DATA (PATENT) (APPL. DATA (PATENT)) US 213961 A 19981217
US 5949819	P	19990329	US AS02 ASSIGNMENT OF ASSIGNOR'S INTEREST CONEXANT SYSTEMS, INC. 4311 JAMBOREE ROAD NEWPORT BEACH, CALIFORNIA 92660 ; BJARNASON, ELIAS : 19990316; JONSSON, OLAFUR : 19990316; OLAFSSON, SVERRIR : 19990316
US 5949819	P	19990907	US A PATENT